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Science and Technology in Africa: The African Union new initiatives and financial support perspectives
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Physics, which is widely considered as the most fundamental of the sciences, underpins the progress in all other branches of science and has a wide range of applications in economic development, including in health, energy research, food security, communication technology and climate change. The African Union (AU) Commission articulates the continental vision of its Member States and its programs are designed to directly contribute to its social and economic development and integration efforts. In the area of science and technology the Department has developed *Africa's Science and Technology Consolidated Plan of Action* as a strategic policy document through the AU system of conference of ministers responsible for science to guide the continent on common priority programs. The programs in this plan of action that have been transformed into bankable projects under the Book of "lighthouse projects Phase 1," adequately respond to Africa's challenges and development needs using science. They can be summarized into three main themes: a pan-African university (PAU) initiative (to combine higher education and scientific research as a network of differentiated PAU in each of the five African regions), African research grants (to strengthen the research capacity of the African institutions and upgrading infrastructures, consolidating their accumulated asset of scientific knowledge), popularization of science and technology and promotion of public participation (to build public understanding and raising awareness on science and technology as a driving agent for social and economic progress for Africa and its integration process) and a science and technology institutional capacity building program). This talk will provide a review these programs and their status and impact in Africa.